

FIG. 1

FIG. 4

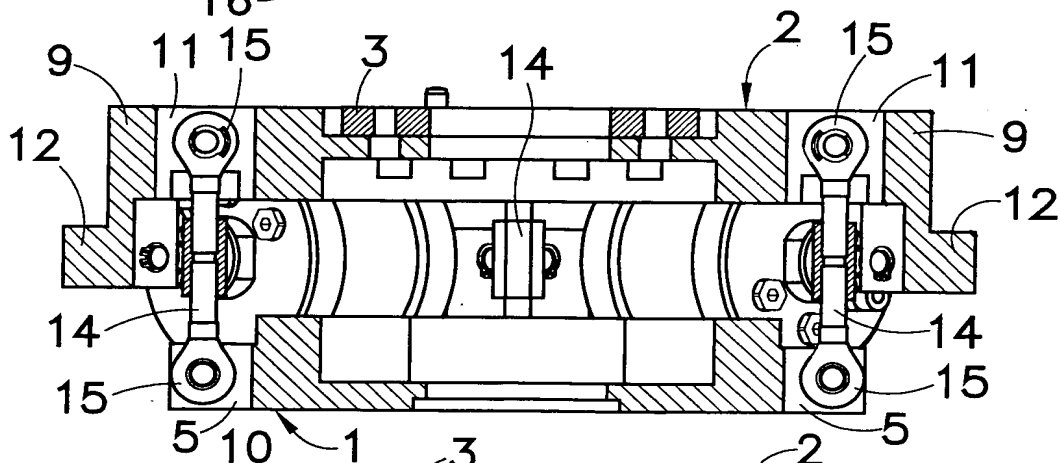


FIG. 5

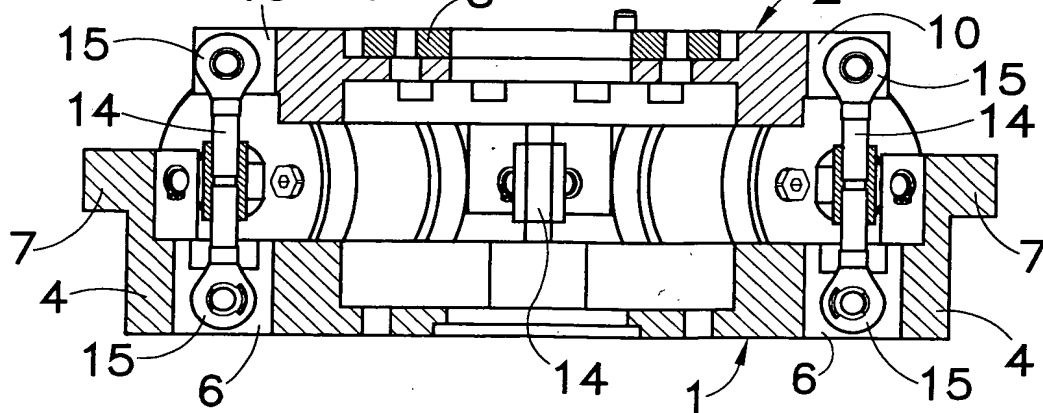


FIG. 2 is a top view of the device 100, showing the central body 3, the four actuators 16, and the four sensors 13. The actuators 16 are connected to the central body 3 via the four sensors 13. The sensors 13 are connected to the actuators 16 via the four sensors 13. The actuators 16 are connected to the central body 3 via the four sensors 13. The sensors 13 are connected to the actuators 16 via the four sensors 13.

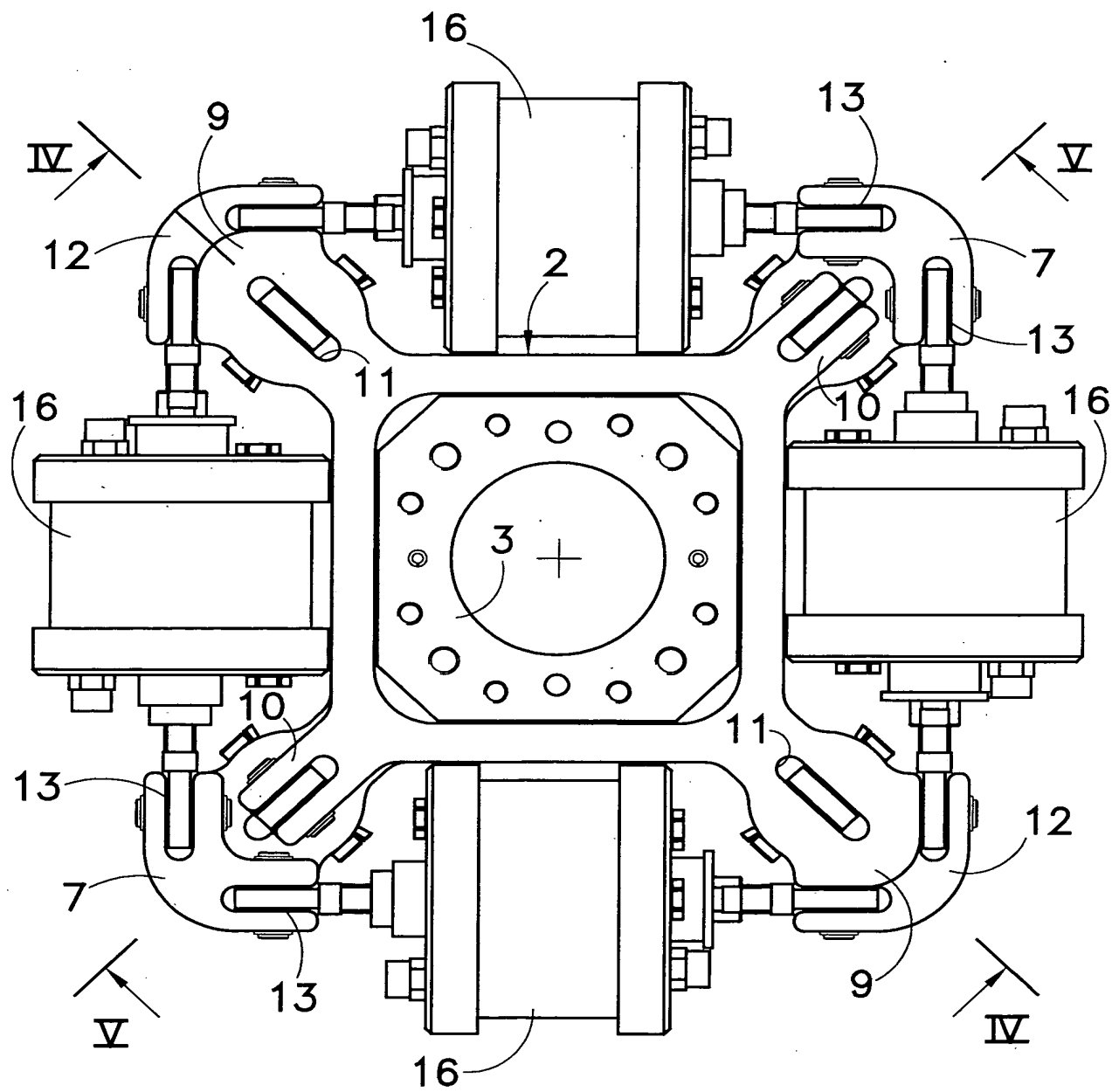


FIG. 2

FIG. 3 is a perspective view of the device 100 in a closed position, showing the housing 10, the two actuators 12, 14, and the two valves 4, 6. The housing 10 is a rectangular block with a central circular opening 1. The actuators 12, 14 are mounted on the top and bottom surfaces of the housing 10, respectively. The valves 4, 6 are mounted on the side surfaces of the housing 10, respectively. The actuators 12, 14 are connected to the valves 4, 6 by a series of linkages 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100.

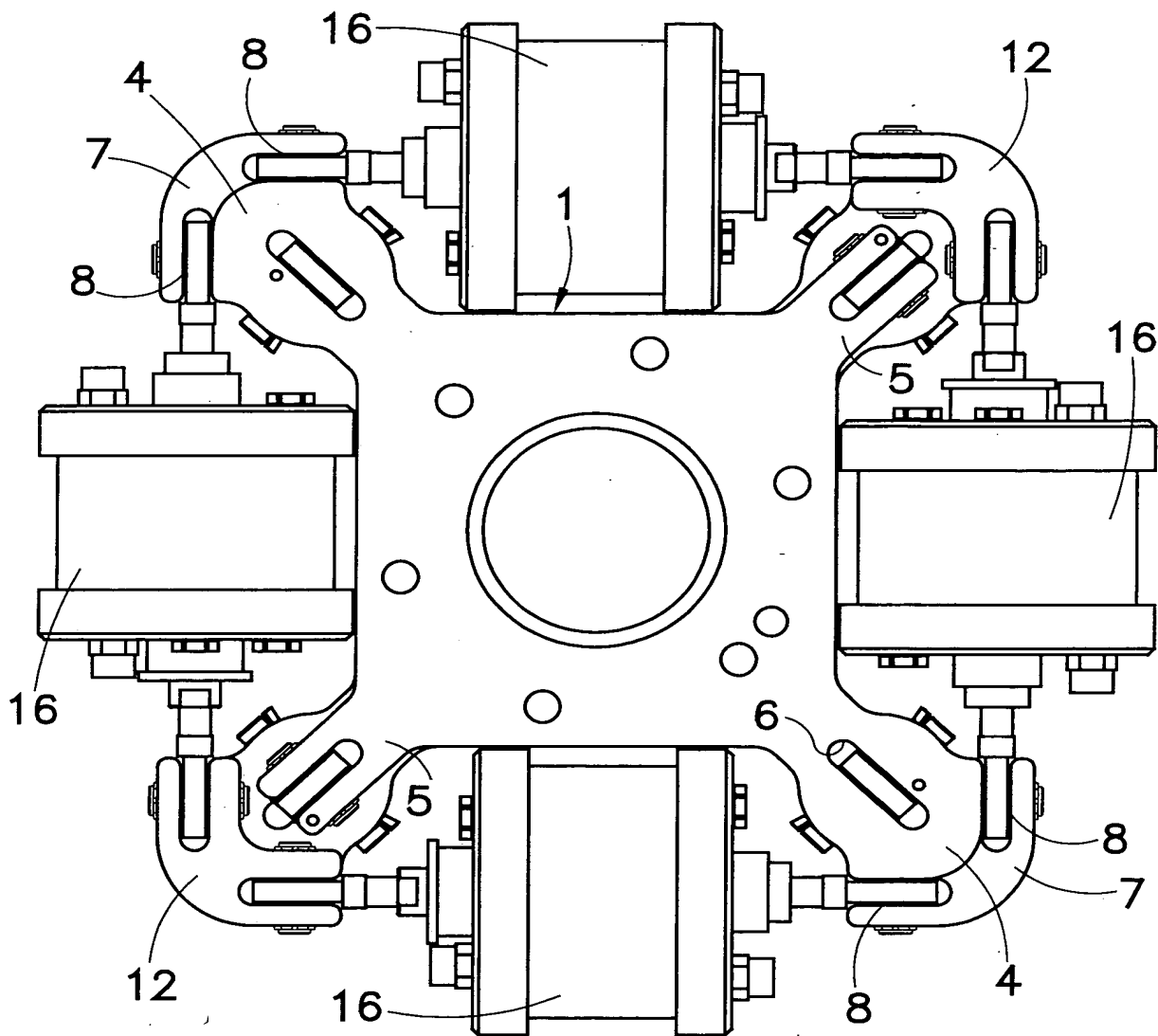
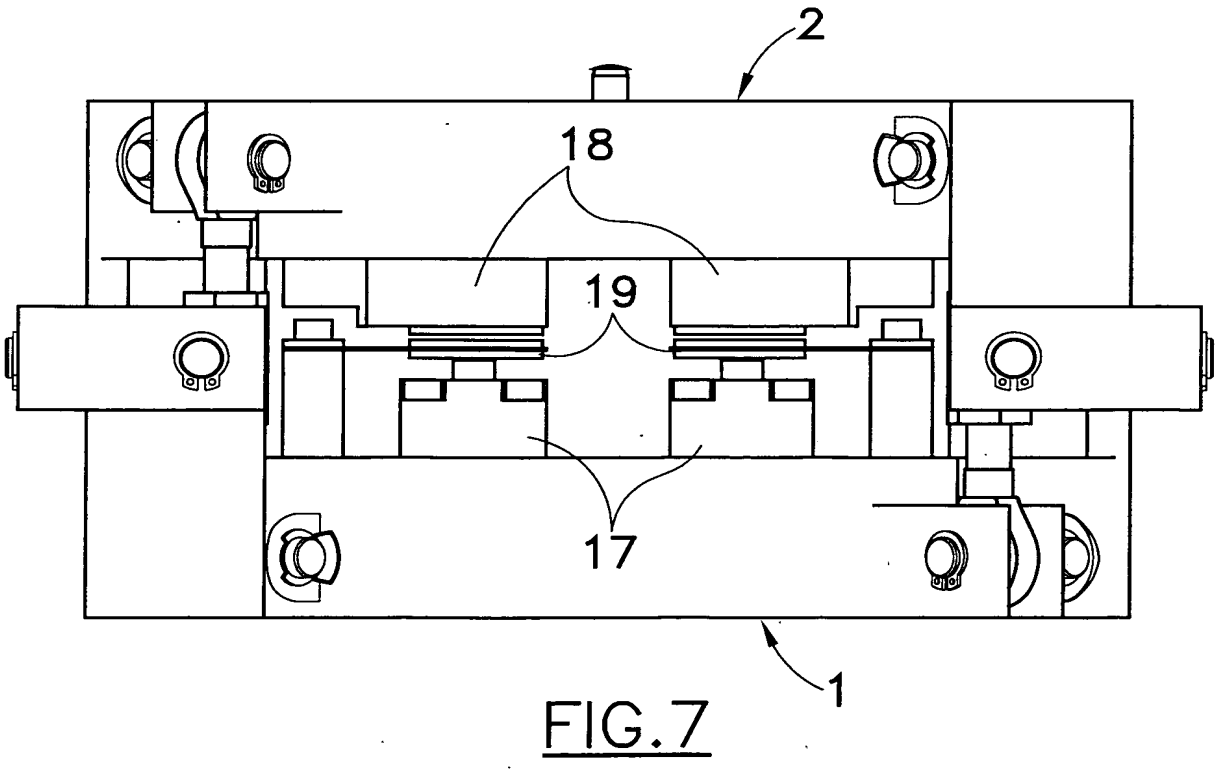
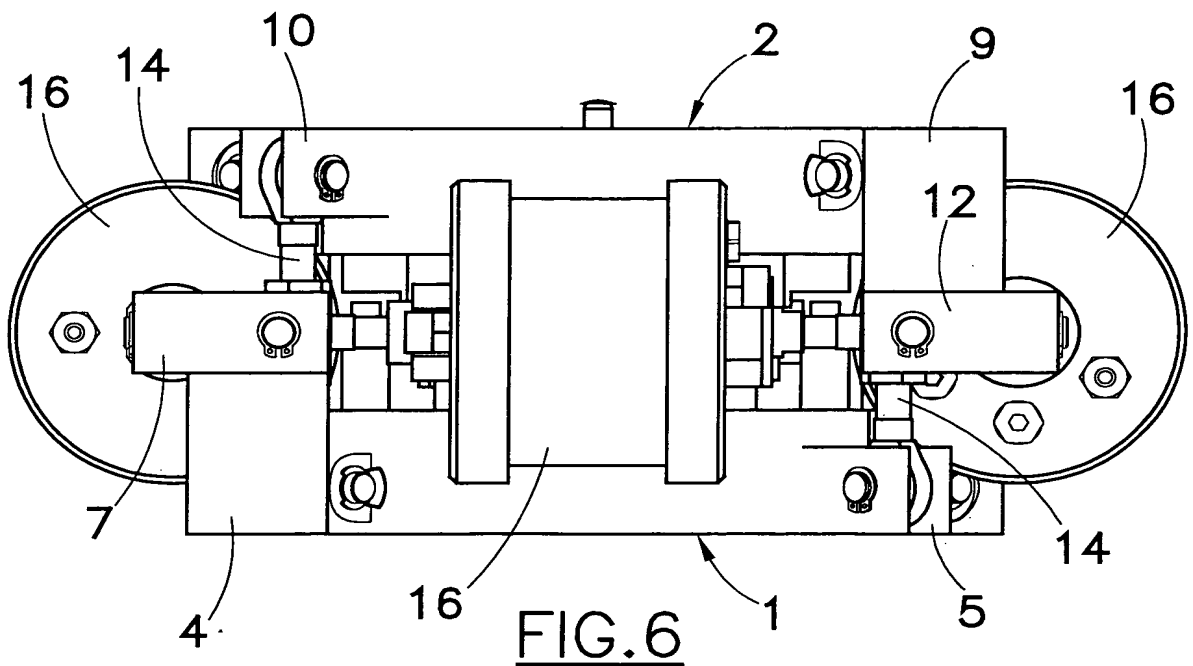
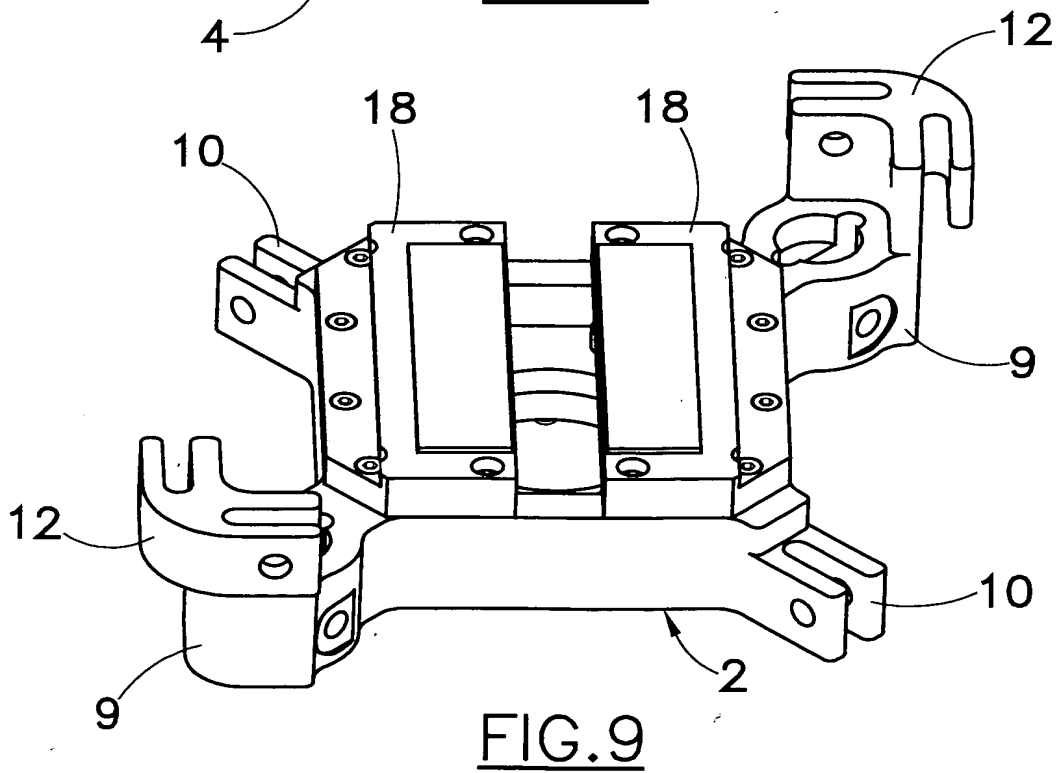
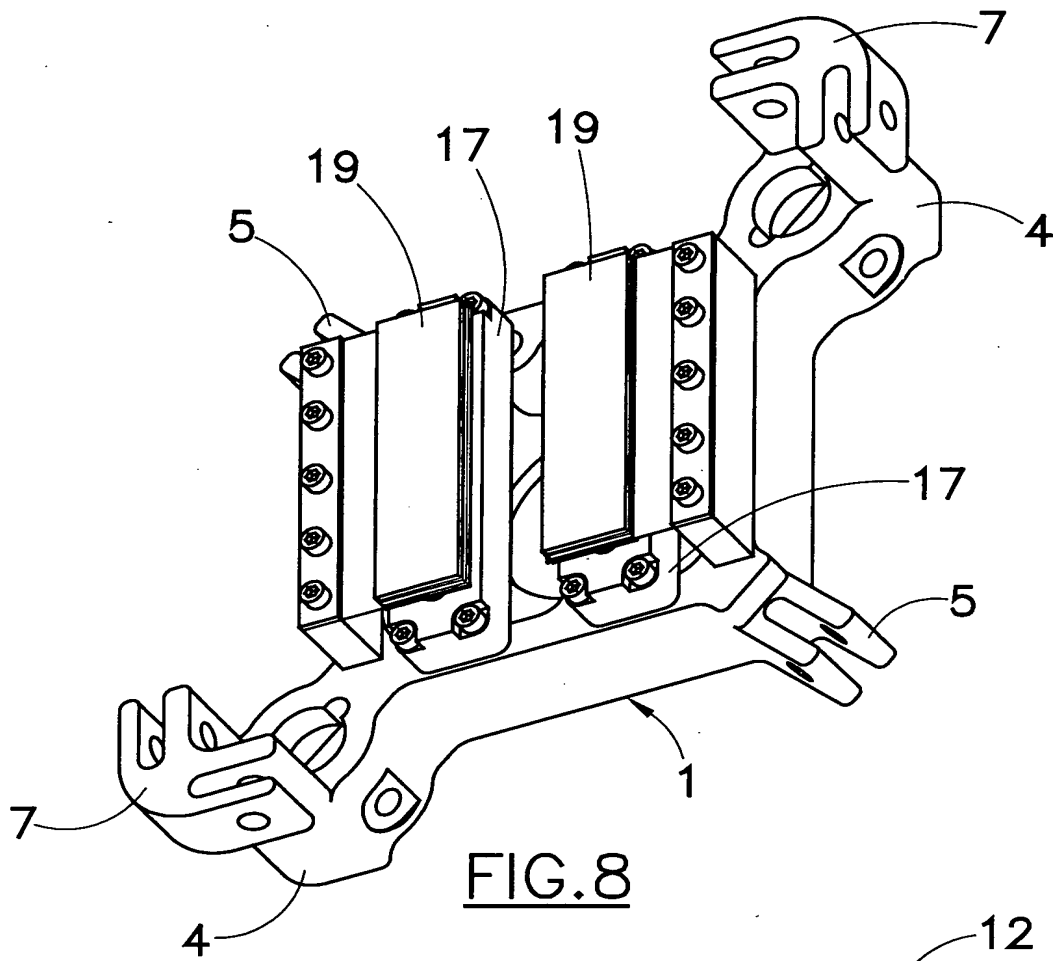


FIG.3





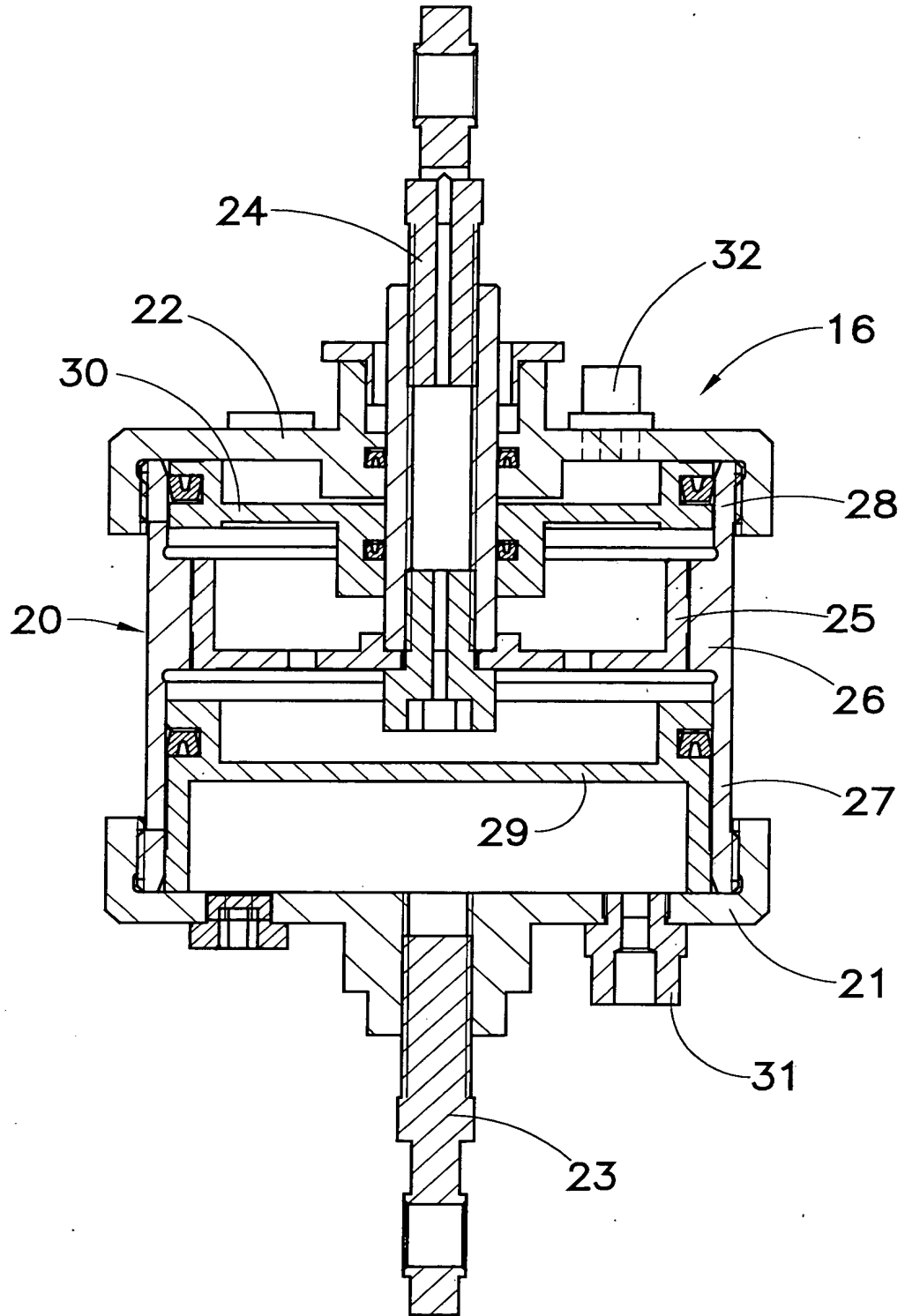


FIG.10

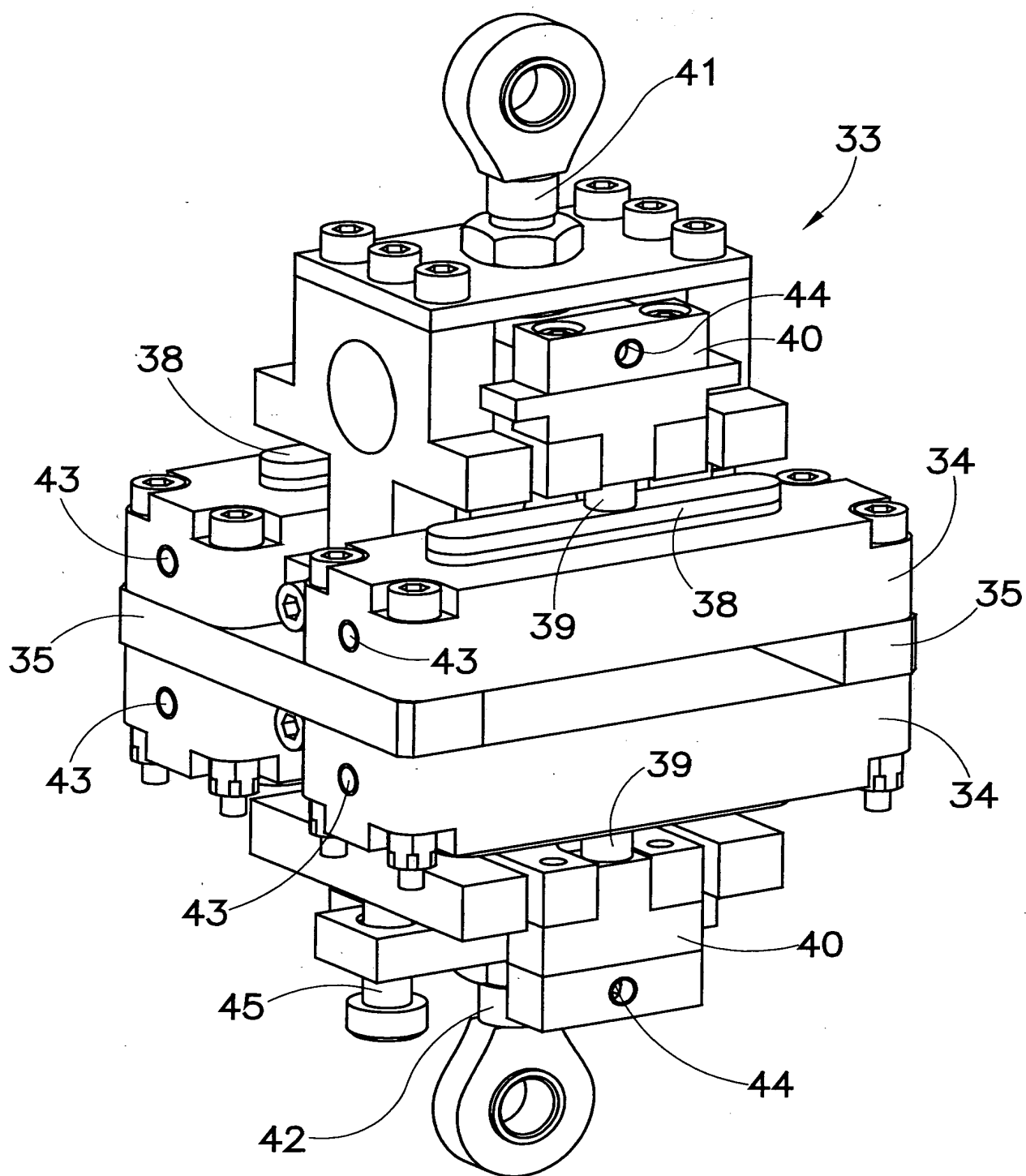
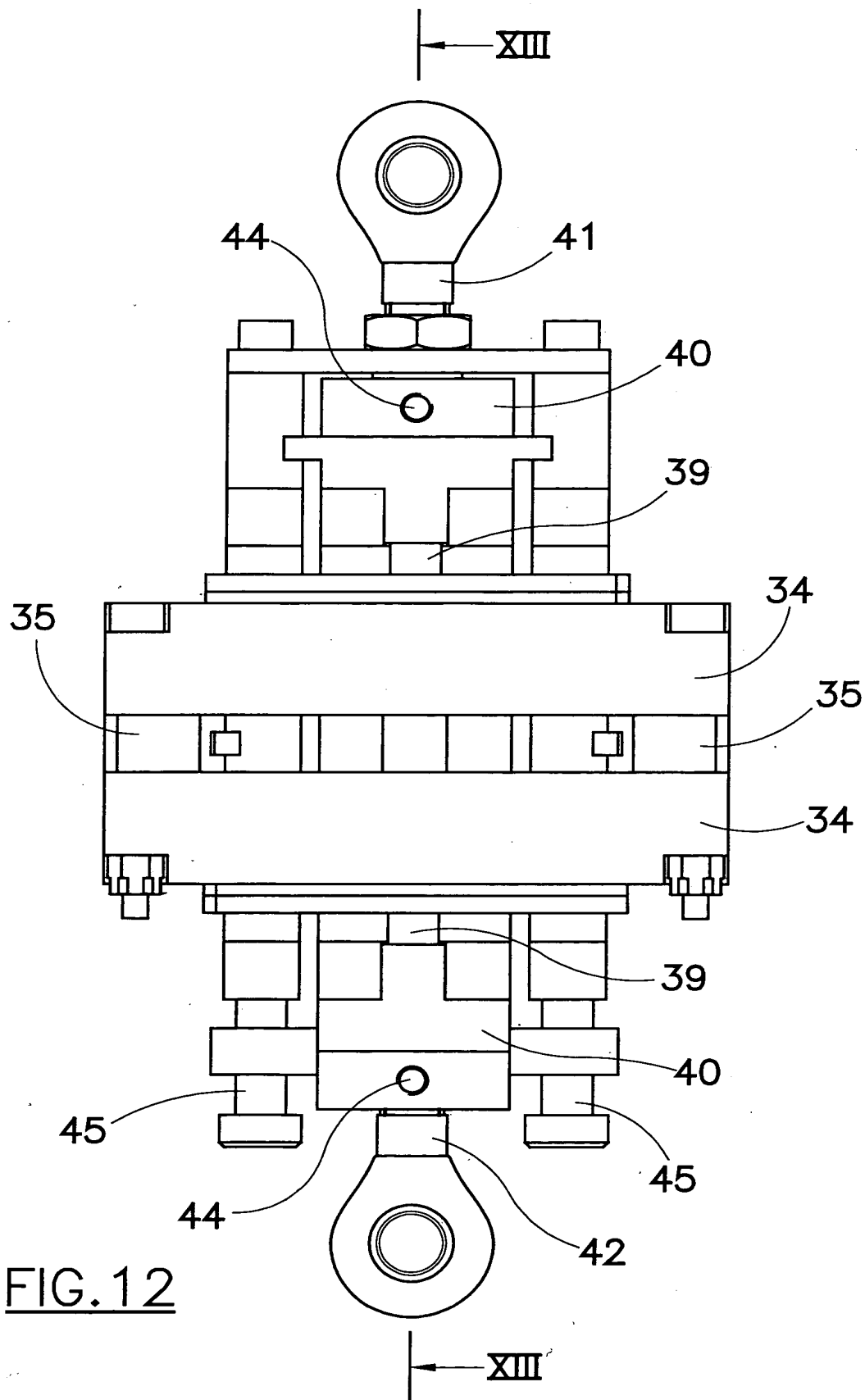


FIG. 11





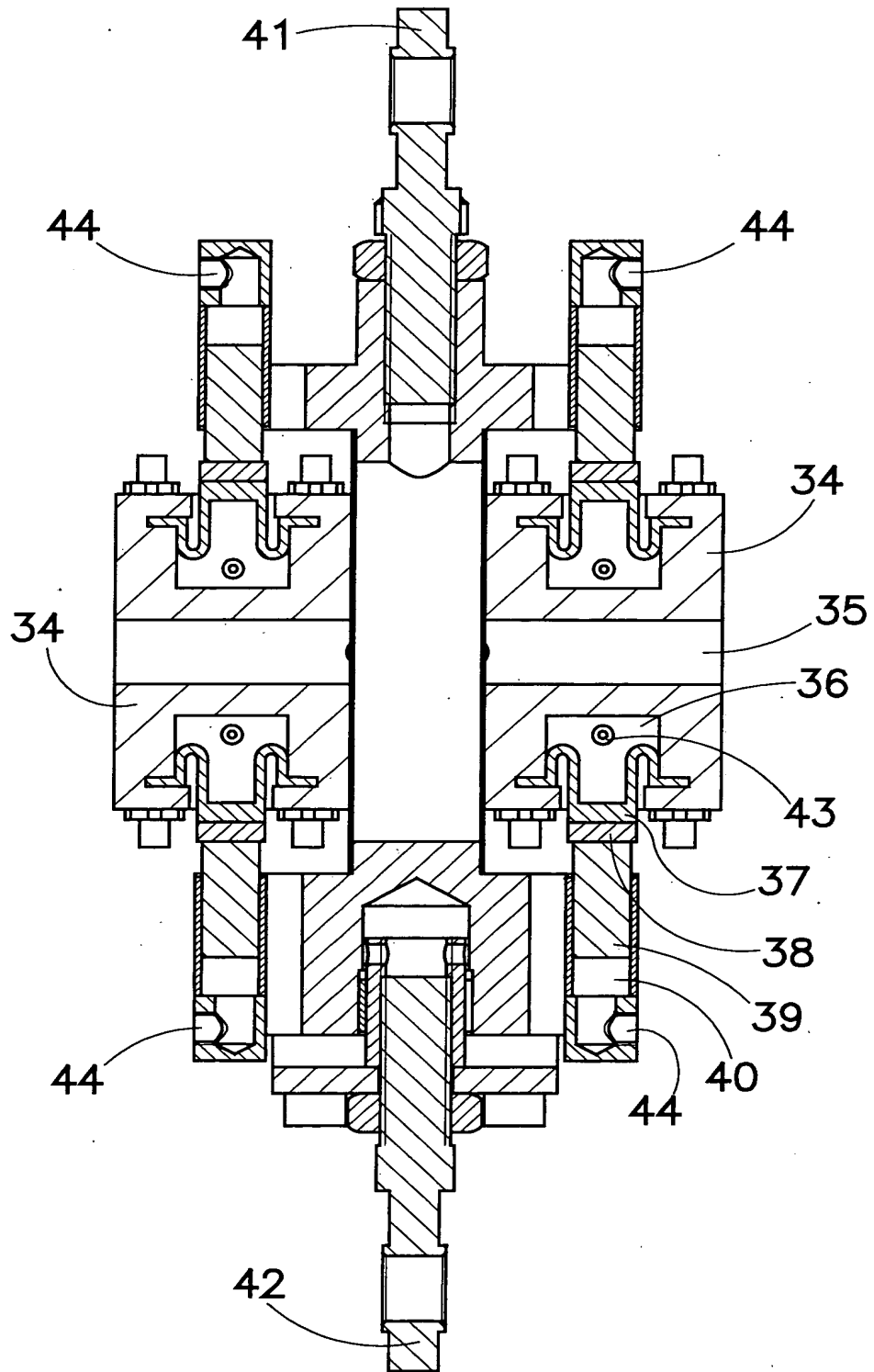


FIG.13

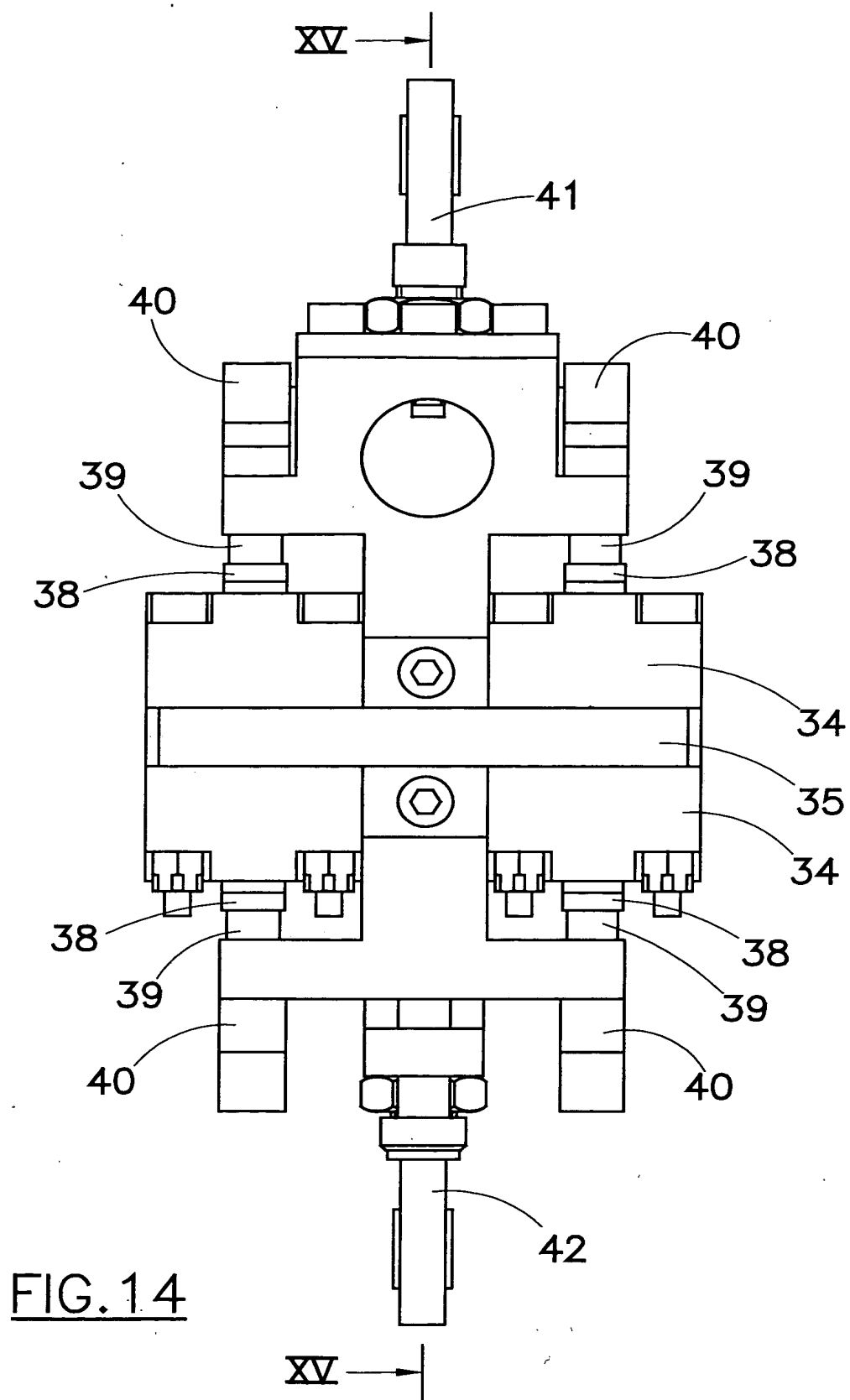


FIG. 14

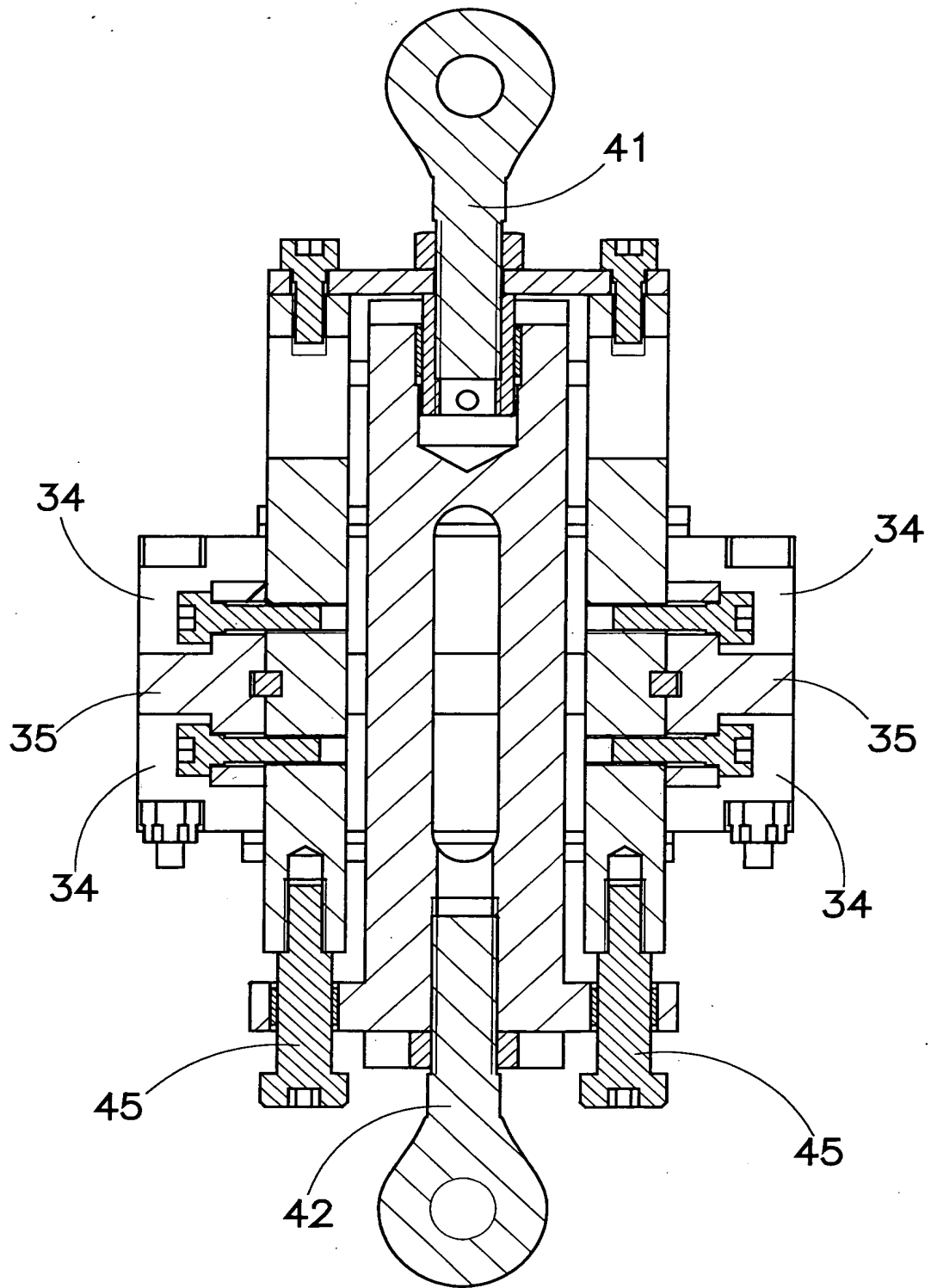


FIG. 15